

**IN THE SPECIFICATION**

Page 4, lines 31-35, replace by:

Figure 1 shows the alignment of the serine/threonine (S/T) kinase domain (I-VIII) of related receptors from transmembrane proteins, including embodiments of the present invention. The nomenclature of the subdomains is accordingly to Hanks et al. (1988). The amino acid sequences are set forth at amino acids 246-427 of SEQ ID NO: 32, 216-391 of SEQ ID NO: 31, 194-368 of SEQ ID NO: 30, and 1-178 of SEQ ID NO: 33.

Page 5, lines 3-8: replace by:

Figure 3 is a comparison of the amino-acid sequences of human activin type II receptor (Act R-II), mouse activin type IIB receptor (Act R-IIB), human TGF- $\beta$  type II receptor (T $\beta$ R-II), human TGF- $\beta$  type I receptor (ALK-5), human activin receptor type IA (ALK-2), and type IB (ALK-4), ALKs 1 & 3 and mouse ALK-6. See SEQ ID NOS: 30, 31, 32, 10, 2, 4, 6, 8, and 18.

Page 5, lines 12-14: replace by:

Figure 5 shows the sequence alignment of the cysteine-rich domains of the ALKs, T $\beta$ R-II, Act R-II, Act R-IIB and daf-1 receptors. See positions 34-95 of SEQ ID NO: 2, 35-99 of SEQ ID NO: 4, 61-130 of SEQ ID NO: 6, 34-100 of SEQ ID NO: 8, 36-106 of SEQ ID NO: 10, 30-110 of SEQ ID NO: 30, 29-109 of SEQ ID NO: 31, 51-143 of SEQ ID NO: 32, and 5-101 of SEQ ID NO: 34.